

WYOLINK—Operations Work Group Report

June 13, 2006 Thermopolis WY

The Operations Group only held one meeting this last quarter. It was held June 8, in Cheyenne, WY at the WYOLINK office. We held discussions on Fleet Mapping and Talk Groups and how they would affect State and County operations. It was decided that Map Multigroups should be in all radios and not assigned to an individual because any radio might be used by an I.C. Also discussed was Standardizing of Radio Buttons for each agency.

We had WYOLINK radio site adjustments requested by Tom Mahon.

1. Three Mile Hill and Cedar Ridge: recommendation from the work group more propagation studies to show the coverage with each site to be removed individually. At this time there was no decision to remove either site pending further information.
2. Flat Top: To be converted to only microwave site.
3. Kismet Peak/ Aspen Ridge:
Decided to move the Kismet Peak to the Aspen Ridge site as Aspen Ridge is already a present WYDOT site.
4. Latham Draw: Decided to make it a Microwave only site.
5. McCullough Peaks: Is for Microwave only site.
6. Riverton:
The decision was made to delete the Riverton Site and evaluate Low Level coverage to be determined at a later date upon completion of other sites. (propagation maps show - on street portable coverage without this site)
7. Rendezvous/PowWow/Signal Mountain:
Rendezvous will be a microwave only site due to site development and expansion. We will add Powwow and Signal Mountain sites to the Site List for coverage.
8. Garn:
An Idaho site and would provide coverage on the West Side of The Tetons and in to Yellowstone National Park. The decision was made to table this site and request more information
9. Casper Port of Entry: -- It will be developed as a WYOLINK site.

We reviewed coverage deficiency of all the proposed sites completed. The areas include parts of Park County, Yellowstone Park, Big Horn Mountains and southern area of the Snowy Range Mountains.

Tom Mahon recommended that the Work Group release the 5 site coverage contingency funds that are budgeted and not contracted for project acceleration and other project costs. The decision was made Not to use the funds but keep them as contingency funds.

Kim Lee led a discussion on a grant that the Governors office submitted to the National Governors Association in the amount of \$50,000.00 for planning and training. The grant will require having a committee representing the PSCC and the Governors office. It will require the committee to travel to a couple of training workshops and the travel would be paid for out of grant funds.

Submitted by Jerry M. Kennedy



Dave Freudenthal
Governor

Jim Narva
Chairman

State of Wyoming

Public Safety Communications Commission

WyoLink Operations Work Group Meeting of June 8, 2006 Cheyenne and Phone Conference

The WyoLink Operations Work Group meeting was called to order by Chairman Jerry Kennedy at 9:05 am on June 8, 2006.

Member present were:

Jerry Kennedy – Chairman – PSCC Commissioner
Kim Lee – PSCC Commissioner
Bob Wyatt – PSCC Commissioner – Phone Conference Call
Dan Perko – Wyoming Forestry – Wyoming APCO Chairman
Patti Bauer – Wyoming Highway Patrol Dispatch
Pat Byrne – Laramie County Combined Communications
Tom Mahon – WyoLink Project Manager
Bob Symons – PSCC Administrative Support

Guests:

Kent Drummond – WyoLink Technical Support
Larry Green – Wyoming Office of Homeland Security

The minutes from the joint WyoLink Operations Work Group and Interoperability Executive Committee for the meeting of March 10, 2006 were reviewed. Patti Bauer made a motion to approve the minutes, Pat Byrne seconded the motion. The motion passed on a voice vote.

New Business:

Fleetmapping and Talkgroups

Bob Symons led a discussion on talkgroups and fleetmapping. The first document discussed was about the steps that are recommended for developing the fleetmap for agencies that will be using WyoLink. There are six steps that were identified by a Motorola power point presentation.

- Step 1 – Identify the users of the radio system.
- Step 2 – Organize the users into talkgroups.
- Step 3 – Organize the talkgroups into multi-groups.
- Step 4 – Assign the talkgroup/Multigroup parameters
- Step 5 – Determine features
- Step 6 – Subscriber programming requirements

The fleetmapping will be used by the WyoLink technical support when developing the talkgroups for the WyoLink system. The fleetmapping process will involve the subscriber agency, PSCC Administrative Support and WyoLink technical support. The process for developing the fleetmap would be first by the completion of the application process, then the fleetmap and talkgroup development, then the programming of the subscriber radios and the development of the talkgroups and user radio information programmed into the controller. It is

important to have a good fleetmap completed so as to minimize the number of time that the radio would have to be programmed by a technician.

Discussion on the State and County Talkgroup plan. The plan will be used as a starting point when working with subscribers on developing their talkgroup plan and identified the Multiple Agency Talkgroups (MAT) and Mutual aid channels. Discussion on the multi-groups on the Multiple Agency Talkgroups (MAT). It would be beneficial to have the MAT multi-group in all radios because the radios may not be assigned to an individual and any radio could be used by the incident commander. Also for the safety of operational personnel, the multi-group could be used to notify everyone of a safety issue.

The next document for discussion was the fleetmap spreadsheet that would be developed to help show the radio configuration for programming. The document will be used as an example and a starting point for discussions with subscribers. The standardization of the radio buttons for each agency would simplify the programming of the radios. The fleetmapping will also be used during the training of the agency users. The training of the end users will be important for relating the WyoLink operational information and the radio operational information.

WyoLink Radio Sites Adjustments

Tom Mahon led a discussion on the adjustments of the proposed 57 radio sites for the WyoLink infrastructure. Tom Mahon presented a document on his recommendations and stated that Chuck Kakalecik from WyDOT telecommunications had also provided input into the recommendations. Chuck Kakalecik is the lead microwave technician for WyDOT and has many years experience with microwave and radio communications in Wyoming and with the WyDOT systems.

1. 3-Mile Hill and Cedar Ridge – both of these sites are overshadowed by Copper Mountain or Rattlesnake Ridge. Recommendation was to delete these two sites from the WyoLink development list. The work group would like to have more propagation studies that show the coverage with each site removed individually. Tom Mahon will run the propagation studies for each site for the work groups consideration.
2. Flat Top – Flat Top is only the list only for microwave coverage and the recommendation was to delete this site from the WyoLink development list. Dan Perko made a motion to convert Flat Top to a microwave only site, seconded by Kim Lee. Motion passed on a voice vote.
3. Kismet Peak/Aspen Ridge – The recommendation is to shifting the radio site location from Kismet Peak to Aspen Ridge. Aspen Ridge is a present WyDOT site. Dan Perko made a motion to follow the recommendation for Kismet Peak, seconded by Pat Byrne. Motion passed on a voice vote.
4. Latham Draw – This site is for microwave connectivity and the recommendation is to change the site to microwave only. Dan Perko made a motion to change Latham Draw to a microwave only site, seconded by Patti Bauer. Motion passes on voice vote.
5. McCullough Peaks - This site is for microwave connectivity and the recommendation is to change the site to microwave only. Dan Perko made a motion to change Latham Draw to a microwave only site, seconded by Patti Bauer. Motion passes on voice vote.

6. Riverton – Proposed site at the WyDOT facility in Riverton and the predicted coverage without the Riverton site indicates on-street portable radio coverage in Riverton. The recommendation is to delete the Riverton site. Dan Perko made a motion to delete the Riverton Site and evaluate the low level coverage a later date upon the completion of the other sites that provides coverage, seconded by Patti Bauer. Motion passed on a voice vote.

7. Rendezvous/Pow Wow/Signal Mountain – Rendezvous is required for microwave connectivity. There are issues with developing Rendezvous site for WyoLink because of the site on Federal Property. Pow Wow and Signal Mountain currently have radio sites on them and are on federal property. Adding these two sites would improve coverage predictions in the areas. During the discussion on these sites, Chuck Kakalecik was contacted for further information. Dan Perko made a motion to change Rendezvous as a microwave only site and add Pow Wow and Signal Mountain sites to the WyoLink site list, seconded by Pat Byrne. Motion passed on a voice vote.

8. Garn – This radio site is in Idaho and the Teton County representatives have suggested this site as a possible addition. This site would provide additional coverage on the west side of the Tetons and into Yellowstone National Park.. There was discussion on developing sites outside of Wyoming and there is already one site, Geneva, that is in Utah. Dan Perko made a motion to table this site and requested more information, seconded by pat Byrne. Motion passed on a voice vote.

9. Casper Port of Entry – This site will be developed as the second zone controller and adding it as a WyoLink site would provide coverage to portions of Highway 220 that does not have good coverage from Casper Mountain. Kim Lee made a motion to add Casper Port of Entry as a WyoLink radio site, seconded by Patti Bauer. Motion passed on a voice vote.

10. Reviewed the areas of coverage deficiency with all of the proposed sites competed. The areas include parts of Park County and Yellowstone Park, Big Horn Mountains and the southern area of the Snowy Range Mountains. These areas will be addressed in the future.

11. Tom Mahon recommended that the Work Group release the 5-site coverage contingency funds that are budgeted and not contracted for project acceleration and other project costs. Dan made a motion not to use the funds and to keep them as contingency funds, seconded by Pat Byrne. Motion passed on a voice vote.

Kim Lee led a discussion on a grant the Governor's Office submitted to the National Governors Association for \$50,000. The grant was for planning and training. The grant will require having a committee of PSSC representatives and the Governor's Office and will require the committee to travel to a couple of workshops. The cost of the travel would be borne by the grant funds.

Motion to adjourn by Pat Byrne, seconded by Patti Bauer, motion passed and the meeting was adjourned at 11:30 am

Submitted by
Robert Symons



Dave Freudenthal
Governor

Jim Narva
Chairman

State of Wyoming

Public Safety Communications Commission

Administration and Funding Work Group Meeting of June 5, 2006

Chairman Steve DeCecco called the meeting to order at 2:10 pm on June 5, 2006.

Members present in Cheyenne:

Jim Narva – PSCC Chairman
Earl Atwood – PSCC Executive Director
Bob Symons – PSCC Administrative Support

On Phone Conference Call

Steve DeCecco – PSCC – Committee Chairman
Jerry Kennedy – PSCC

New Business:

Discussion of proposed grant for the Dispatch Center WyoLink Connectivity Grant. The grant application was derived from the FEMA/FIRE grant application and is intended to be short and the grant agreement was from the Wyoming Office of Homeland Security then modified to meet the PSCC needs.

A question was raised if the grant application should ask about whether there are any plans for consolidation of dispatch centers. If two or more dispatch centers were granted funding and then consolidated dispatch centers would this amount to receiving more funds than intended? The grant agreement includes language on supplanting of funds and this may be a means of regulating the issue.

Application due date was discussed. The grant has an ending date of June 30, 2008 for all funds to be expended. If there is not an application period, then any funds that may not be used by the dispatch centers on the grants could end up not being able to be used for a second round or another method of helping the centers.

The grant agreement will have to be approved by the Attorney General's Office.

Is six months an appropriate amount of time for grantees to complete a grant application? A one year time frame – July 1, 2007 was discussed. It may be better to have the grant funding known before the local agencies have to complete the budget process.

Discussion on the approval process. Will the approval be by an ad-hoc committee, the full PSCC or the Admin and Funding Committee? Some of the dispatch centers may not need the full \$150,000 to compete connectivity to WyoLink. There could be more than one round of funding and having a limited application period would help in allowing for multiple rounds. The

decision on approving grants could happen fairly quickly on some grants and other grants may be more complicated.

Should the approval be by a vote of the full commission or should the committee ask for the approval process and then inform the PSCC of the grants at each quarterly meeting. At the June PSCC meeting the grant documents will be vetted with the whole commission and ask for direction from the commission.

Most grant applications would be received by the December PSCC if there is a due date of December 31, 2006. The December 31, 2006 application due date will be added to the directions. The grant agreement will be reviewed by the Attorney General's Office.

Bob Symons discussed a bio-terrorism grant that was given to WyDOT for WyoLink for \$40,000. The whole Commission should decide the use of this grant. Training is one area that is under-funded by the budget. The governor's office is applying for a \$50,000 grant from the National Governor's association. The commission should be looking at prioritization options for the potential grants. Need to find out from WyDOT what the bio-terrorism grant can be used for. Senator Enzi has submitted a federal appropriation in the amount \$2,000,000 for the WyoLink project. Developing a training video may also be an appropriate project for the grant funds.

Should we e-mail the working group chairs to get some ideas on how to use the grant funds. Bob will e-mail the chairman of all the working groups for their ideas on how to use the grant funding.

Being no further business, the meeting was adjourned at 2:38 pm.

Respectfully Submitted

Bob Symons

Attachments: Grant Application, Directions and Grant Agreement

SALECS 2006 STATISTICS
JANUARY 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	454	134	10	32	53	0	1	31		715
TRAFFIC	5711	588	215	332	665	0	0	296	2	7809

FEBRUARY 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	375	103	1	27	26	0	0	22	0	554
TRAFFIC	5237	409	134	368	469	0	0	218	2	6837

MARCH 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	353	143	12	21	56	1	0	44	0	630
TRAFFIC	4171	468	171	269	522	8	0	377	1	5987

APRIL 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	405	232	14	12	82	2	0	39	0	786
TRAFFIC	5180	682	192	184	850	10	0	343	2	7443

MAY 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	529	351	20	28	278	0	0	33	0	1239
TRAFFIC	6668	1095	293	435	2903	0	0	384	7	11785

JUNE 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0

JULY 2006

	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS

EVENTS										0
TRAFFIC										0
AUGUST 2006										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0
SEPTEMBER 2006										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0
OCTOBER 2006										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0
NOVEMBER 2006										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0
DECEMBER 2006										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS										0
TRAFFIC										0
ANNUAL TOTALS FOR 2005										
	GAME & FISH	BRAND	LIVE STOCK AGENTS	BLM	STATE PARKS	OUT FITTERS	SDCI	FOREST	OT	TOTALS
EVENTS	2116	963	57	120	495	3	1	169	0	3924
TRAFFIC	26967	3242	1005	1588	5409	18	0	1618	14	39861



Dave Freudenthal
Governor

Jim Narva
Chairman

State of Wyoming

Public Safety Communications Commission

Interoperability Executive Committee Wheatland and Phone Conference June 1, 2006

Chairman Billy Janes called the meeting to order at 9:20 am in the Wheatland Fire Station, Wheatland, WY.

Attendees:

Billy Janes – Chairman – PSCC Commissioner
Tom Mahon – WyoLink Project Manager
Kent Drummond – WyoLink Support
Bob Symons – PSCC Administrative Support

Phone conference Callers:

Russell Christiansen – PSCC Commissioner
Dale Pawling – Cheyenne Fire & Rescue
Rob Wilson – WyDOT Telecom

Dale Pawling made a motion to approve the minutes from the March 10, 2006 joint WyoLink Operations and Interoperability Executive Committee Meeting with the year changed from 2005 to 2006. Russell Christiansen seconded the motion and the motion passed on a voice vote.

Old Business:

Discussion on the draft handbook and revisions

Definitions: Removed the definition for Radio Wide Scan – RWS – Pertains to EF Johnson Radios only.

Add information on the PSMC definition to describe the steering committee.

RSSI is Received Signal Strength Indication not Radio Signal Strength Indication

Add Call Alert Definition

Added Chapter III Section 10 - Digital/Analog Radio Coverage Comparison Chart

Renumbered Chapter III Section 11 – Mobile Data Subsystem and modified language to add Wyoming DCI approval. The application will indicate the Mobile Data use request.

Discussion on system administrator title. The system administrator will be changed to PSSS Administrative Support or WyoLink Support Manager depending on whose responsibility - Technical or Policy. The Glossary needs to be changed also to reflect the WyoLink Support Manager.

Need to have a signature line added to the application for the WyoLink approval and a signature line for the applicant.

Discussion on Chapter 4, Section B - Member Priorities – The committee felt it was best to generalize the member priorities and add examples of each. Emergency, Dispatch, First Responders, MAT, Public Works, Public Safety Support Agencies, Data.

Bold the statement on member priorities is only in affect when the system is busy. This would clarify the priorities when the system is busy.

Under the ID and Alias Administration the web page and data base information needs to be clarified. Chapter III, Section C. System limitation of 8 characters includes the radio programming zone.

Chapter IV, Section F – added blasting operations to the electronically sensitive areas.

Chapter IV, Section C – The “Emergency” title will be changed to “Events”

Chapter VI, Section A – added frequencies for the National Interoperability Channels and the current state mutual aid channels.

Chapter VIII, Section D – added this section for when consoles are added to the WyoLink system. Added communications center to the application also.

The Agreement between WyoLink and Users will be the next project that the Interoperability Committee needs to work on.

The Interoperability Committee will need to meet soon after the PSCC June meeting to finalize the handbook. Bob Symons will have the revisions discussed during this meeting ready at the June 13, 2006 PSCC meeting. Once the handbook is completed, the handbook will be given to reviewers for clarification, grammar errors and spelling.

Motion to adjourn by Russell Christiansen, seconded by Dale Pawling. Motion passed and the meeting was adjourned by Chairman Janes at 10:19 am.

Respectfully Submitted

Bob Symons

Monday, May 08, 2006

Mr. Jim Narva, Chairman
Public Safety Communications Commission
Herschler Building, 1st floor west
122 West 25th Street
Cheyenne, WY 82002

Dear Chairman Narva,

As representatives of Cheyenne and Laramie County emergency services we have long supported the concept of a State-wide interoperable radio system for first responders, and have been very supportive of the efforts of the PSCC to create Wyolink. We will continue to work with the PSCC and Wyolink to establish the future of the county's utilization of the system. As you are aware, Laramie County was chosen to be the pilot site for the Wyolink project and has assisted Wyolink with many of the system phases. Laramie County is looking forward to showing the capabilities of the system to future users in the state.

Emergency services are looking forward to implementing the new system to improve the communications capabilities of first responders. However, recent portable radio testing revealed coverage problems in many areas of Cheyenne and the surrounding county. These coverage issues if not fixed, has the potential to cause serious first responder safety issues. We believe the system must perform to the same level as, or out-perform the systems currently in place to be a viable alternative.

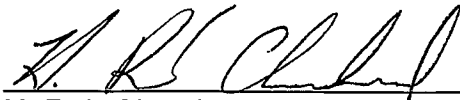
To date, Laramie County has dedicated most of its' homeland security funds and other grants to the purchase of communications equipment that is Wyolink compatible. Within the near future we must complete the purchase of equipment for fire and other services in the county. We are ready to update the equipment and bring these services on board with the new system, once the coverage issues are resolved. Although costly we believe the system will be worth investing in.

We would ask that the PCSS and Wyolink to be aggressive in resolving these coverage issues, so that Laramie County can go forward and implement the Wyolink system.

Please understand that we, as well as all those involved, want Wyolink to be the most reliable VHF system available to provide the best protection for our public safety workers. Interoperability is a top priority of emergency services to better serve our citizens. We would be glad to answer any questions you may have concerning the issues, please feel free to contact us.

Thank you for your attention to this matter.

Sincerely,



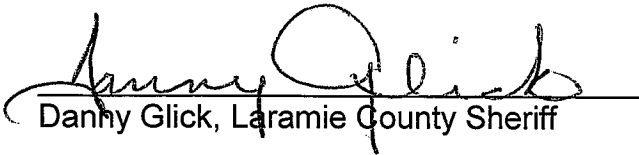
H. Rob Cleveland, Emergency Manager

5/8/06
Date



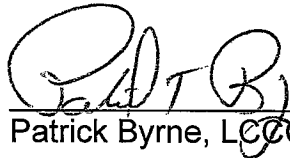
Robert Fecht, Chief of Police

05/08/06
Date



Danny Glick, Laramie County Sheriff

05/08/06
Date



Patrick Byrne, LCCS Communications Director

5/8/06
Date

HRC

Cc:
Laramie County Commissioners
Mayor Jack Spiker
Capt. Rich Hillegas
Lt. Monty Allsop
David Thompson

OFFICES:

Gillette 307-682-6268
Cheyenne 307-772-2477
Casper 307-261-6572
Cody 307-527-9444
Jackson 307-739-9507
D.C. 202-224-3424
website enzi.senate.gov

United States Senate

WASHINGTON, DC 20510-5004

May 12, 2006

MICHAEL ENZI
WYOMING

COMMITTEES:

Health, Education, Labor
and Pensions, *Chairman*
Banking, Housing and
Urban Affairs
Small Business
Budget

RECEIVED

MAY 30 2006

Jim Narva
Chairman
Wyoming Public Safety Communication Commission
2020 Carey Avenue, 4th Floor
Cheyenne, Wyoming 82002

STATE OF WYOMING
FIRE MARSHAL'S OFFICE

Dear Jim:

Congress is currently establishing its spending priorities through its established appropriations committee and subcommittees for fiscal year 2007.

After carefully reviewing your request for funding, I submitted a request for \$2 million for the Statewide Public Safety Interoperable Radio Communications Project's (WyoLink) infrastructure and user equipment to the Senate Appropriations Commerce, Justice and Science Subcommittee. The funding will be used to help make WyoLink available to all users statewide in 2007. I hope the Senate Appropriations Committee will recognize this project's value and fully fund my request.

While I am a strong supporter of WyoLink, it is important to remember that these are difficult fiscal times. Many projects that are submitted will not be funded as Congress attempts to keep discretionary spending to a minimum. However, by getting your project submitted, you have cleared the first hurdle in the appropriations process.

Congratulations on having your project submitted to the Appropriations Committee. If you have any questions, please do not hesitate to contact me or Candice Young of my staff at (202) 224-3424.

Sincerely,



Michael B. Enzi
United States Senator

MBE:cy

Compliant Radio Sales as of June 9, 2006

By Type of Equipment

Base Stations/Repeaters	\$ 859,146.00	56
Control Stations	\$1,271,370.00	146
Mobile Radios	\$7,676,969.63	2168
Portable Radios	\$5,212,360.48	2032
Other Equipment	\$ 128,580.00	67
TOTALS	\$15,148,426.11	4469

By County

Albany	\$1,248,489.00	378
Big Horn	\$527,070.00	142
Campbell	\$699,126.00	235
Carbon	\$961,803.00	243
Converse	\$765,231.00	191
Crook	\$210,271.00	72
Fremont	\$1,236,178.56	457
Goshen	\$756,619.00	257
Hot Springs	\$159,510.00	37
Johnson	\$16,153.00	4
Laramie	\$1,028,956.00	402
Lincoln	\$543,506.50	132
Natrona	\$350,166.00	92
Niobrara	\$346,253.00	95
Park	\$689,742.00	200
Platte	\$181,039.00	43
Sheridan	\$881,330.86	260
Sublette	\$508,640.00	136
Sweetwater	\$439,130.14	130
Teton	\$419,870.00	97
Uinta	\$320,272.00	93
Washakie	\$441,917.00	112
Weston	\$226,527.00	58
State of Wyoming	\$2,186,588.50	602
Others	\$4,038.00	1

**Wyoming Public Safety Communications Commission
WyoLink – Federal Agency Radio Communications Summit
Cheyenne Wyoming Little America Hotel and Resort
April 27, 2006**

Background

The Wyoming Public Safety Communications Commission and WyoLink – Wyoming's statewide digital trunked public safety radio communications project are interested in knowing what federal agencies may participate in WyoLink. Along with the participation, what (if any) resources are available from the potential participating federal agencies to help support the WyoLink project?

Discussions began at the National APCO convention in Denver, Colorado in August 2005 with some of the federal agency representatives attending the APCO convention and with the National Institute of Justice. These discussions indicated that more information needs to be disseminated between all potentially involved participants and that a summit should be held to provide the communications between interested agencies.

Bob Symons, Wyoming Public Safety Communications Commission (WYPSCC) Administrative Support, worked with the National Institute of Justice (NIJ) – National Law Enforcement and Corrections Technology Center's (NLECTC) Denver and Northwest Offices to arrange the summit between federal agencies, WYPSCC and WyoLink. Bob Griffiths and Kyle Sinclair (NLECTC-NW) and Gene McGahey (NLECTC-Denver) provided contact information for federal agency representatives that may attend the summit and helped with the logistics of sponsoring the summit.

Attendance

Fifty-eight (58) people attended the radio communications summit. Agencies represented include: NTIA/ITS – Boulder Labs, Department of Homeland Security-WMO/FPIC, NLECTC, Alcohol Tobacco and Firearms, Department of the Interior (CIO, BIA, FWS, and NPS), Mindbank – BIA, U.S. Forest Service, Federal Emergency Management Agency – Region 8 and MERS, Drug Enforcement Agency, Federal Bureau of Investigation, USDA-APHIS, Department of Justice – Wireless Management Office, Utah Army National Guard, Cheyenne Weather Service, Department of Veteran Affairs, Immigration and Customs Enforcement, Motorola, Wyoming Department of Transportation, WyoLink, U.S. Senator Enzi's Office, U.S. Senator Thomas' Office, Montana Public Safety Services Bureau and Wyoming Public Safety Communications Commission.

Summary

A welcome to participants was given by Jim Narva, WYPSCC Chairman, and he also read a letter from Wyoming Governor Dave Freudenthal welcoming the participants and his support of the WyoLink project.

Bob Symons (WYPSCC) provided a presentation on the history of the Wyoming Public Safety Communications Commission, the Public Safety Mobile Communications (PSMC) plan, and the feasibility study completed by Federal Engineering.

Tom Mahon, WyoLink Project Manager, spoke on the WyoLink project. He covered what WyoLink is, the build-out timeline, and the costs to join. Currently there are no plans to charge WyoLink users, but that could change in the future. Some of what WyoLink offer to potential WyoLink users include: cost savings, discrete talkgroups, shared talkgroups, automatic roaming, signaling features, caller ID's, emergency alarms, automatic vehicle location (AVL), voice encryption and mobile data. WyoLink is presently supporting DES encryption, but can be configured for AES encryption. A predicted coverage map for mobile radios was presented using the 49 radio site plan.

Tom also stated what WyoLink is requesting from the federal agencies. Federal agency participation is being sought for two reasons: Interoperable communications with federal agencies and in-kind contributions to further WyoLink infrastructure development. These reasons were further defined with operational participation, spectrum/frequency contributions and radio site development on federal lands. Federal land ownership in Wyoming is approximately 57% of the total land mass. Assistance in securing access agreements will be an invaluable contribution to the project.

A question and answer period was provided for clarification on the PSCC and WyoLink project. One of the key issues is the best practices on encryption key management and needs to be studied further and will involve many agencies including WyoLink.

The next part of the summit included hearing from the attending federal agencies on their needs and what they might be able to offer in assistance. Most of the agencies felt this was a good starting point and further discussion must take place to finalize any federal agency assistance.

Chris Lewis – Department of the Interior (DOI): Interoperability is important to the DOI and the project must be able to offer something to the DOI. There are multiple bureaus working within Wyoming and 57% of Wyoming is federal lands. The DOI may be able to help with spectrum sharing, site access or use and/or coverage improvements. The DOI has approximately 1200 employees in Wyoming using multiple radio networks. The DOI does want to participate in WyoLink and has a large pool of resources. Chris Lewis encouraged all federal agencies to participate in WyoLink and supports a willingness to work together to make WyoLink successful.

J.J. Milhorn – Mindbank/Bureau of Indian Affairs (BIA): The BIA has a national radio program with common assets, trainers, help desk and budgeting support. The Indian reservations are sovereign nations and we need to coordinate win-win situations. There is currently an initiative to migrate tribal nations onto joint systems. Mindbank is willing and able to help with the negotiations between the state and tribal entities.

Claude Oden – Department of Justice (DOJ) – Department of Homeland Security (DHS): The DOJ-DHS is currently working on an Integrated Wireless Network with some of the urban areas of the country. This is a great opportunity to look at WyoLink due to the limited number of DOJ users.

Steve Anderson – DOJ – The department of justice is involved with a Motorola Astro 6.5 trunking system in Western Washington. The current project has 15 sites and involves many federal agencies. Site leasing and connectivity have been some of the biggest challenges to the Washington project. Steve encourages independent radio coverage testing. Tactical operations with portable radios are becoming very important. Interoperability between many federal and local agencies is an identified problem and all of the agencies have needs. Encryption key management is becoming one of the most troublesome and difficult to overcome. Other problems areas noted included radio programming and user training.

Huel Benton – Alcohol, Tobacco and Firearms (ATF) - There are 9 agents in Wyoming yet they must be able to communicate with other agencies and currently have limited coverage. The ATF wants to work with state and local agencies and supports the WyoLink project. Some of the benefits include wide area coverage and opportunity for interoperability. The ATF has limited resources but is willing to share what resources they have – possible radio sites.

Carlos Cruz – Drug Enforcement Administration (DEA) - The DEA has less than 10 agents operating in Wyoming. The DEA is currently at the bottom of the technology ladder and is currently using Micor UHF radios. The DEA has 3 permanent sites in Wyoming – Cheyenne, Laramie and Casper. The DEA needs to have a connection to the DEA communications center in Denver. Any support for WyoLink must come from the DEA headquarters in Washington, DC.

Dennes Sims – Federal Bureau of Investigation (FBI) – The FBI has 10 or 11 radio sites in Wyoming, most are using 1988 era Micor base stations. There are 13 FBI agents, 5 support personnel and 7 technical personnel operating in Wyoming. The FBI will differ to the DOJ for resources and indicated that the FBI headquarters in Washington, DC does listen to the field staff on communication problems and solutions. Interoperability is very important to the FBI.

Rob Zanger – Department of Justice – Wireless Management Office – (DOJ-WMO) – The DOJ is currently working with the 25 urban areas that have been identified as high threat-high risk areas. Denver is the closest urban area to Wyoming and has 1 federal radio channel for interoperability to provide federal agencies access to the local wide area system.

Bob Strickland – United States Department of Agriculture – (USDA /APHIDS) – The USDA does have some repeater sites in Wyoming. The USDA/APHIDS has less than 100 people working in Wyoming. Willing to help provide information and support to WyoLink.

Noel Newberg – Fish and Wildlife Service (FWS) – Has very limited resources in Wyoming, mainly in Casper and Lander. Currently using the Wyoming SALECS radio system for communications with Wyoming Game and Fish.

John Griffith – National Weather Service – Cheyenne – There are currently 5 weather service offices that provide weather forecasting to Wyoming – Cheyenne, Riverton, Billings, MT, Rapid City, SD and Salt Lake City, UT. The Weather service has no resources, but wants to participate and provide weather services. WyoLink is planning on installing radios and tie lines to the weather services offices and developing talkgroups for those offices.

Mark Joiner – BLM Lander Office – Using SALECS for the BLM law enforcement section. Currently have 57 mobile radios within the Wyoming BLM.

Mike Pendergrass – U.S. Forest Service – The Forest service has approximately 35 to 37 radio sites in Wyoming with 60% of those sites having solar power only. Mike is willing to provide site information, contact phone numbers and moral support to WyoLink. The Forest Service has reorganized the radio communications personnel and duties and all decisions will have to be made with the reorganized office. The Forest service has converted to P-25 Analog mobiles with some have digital capabilities. Forest Service Law Enforcement has its own working relationships and Mike can not speak for them. Radio sites on forest Service lands will have to abide by the National Environmental Policy Act (NEPA).

Jim Downes – Department of Homeland Security – Wireless Management Office (DHS-WMO) – The DHS includes the Immigration, Customs and Enforcement (ICE), Secret Service and Transportation Safety Administration (TSA). ICE has offices in Casper and Cheyenne, Secret Service has offices in Cheyenne and Laramie, and TSA has 10 locations in Wyoming. The WMO recommends frequency assignments and recommends to authorities radio communications needs. All federal agencies had a mandate to migrate to narrow-band at the end of 2005. There are currently 3 repeaters in Wyoming for the DHS. Encryption key management is a difficult subject and will take joint dialog to solve. Over-the-air-rekeying (OTAR) needs to be addressed at the federal and state levels. A business case that includes cost comparisons must be completed and would help in the decision making process.

Cory Dunne – ICE – ICE has 7 agents and 3 deportation and removal agents working in Wyoming. Currently using a legacy system with limited coverage. Supports the wide area coverage of WyoLink.

Scott Bradford – Montana Public Safety Services Bureau – Montana is currently building regional wide-area radio systems that will be tied together. Montana would like to build partnerships with neighboring states. Montana has developed a draft encryption plan and is willing to share the plan with others. Scott stated that interoperability is 90% a people issue, technology exists to solve the interoperability.

Lt. John Richardson – Utah National Guard – Utah National guard has first hand experiences with interoperable radio systems – Salt Lake City Olympics and Katrina Hurricane support. Utah has the UCAN and UWIN projects that have helped to solve the interoperability issues in Utah. The neighboring state's projects are important and should include integration between the states. The Utah National Guard is willing and able to provide radio system and interoperability expertise to help Wyoming solve problems.

Steve Cochran – Federal Emergency Management Agency (FEMA) Region 8 Denver – FEMA is responsible for catastrophic planning and common operating practices. FEMA is willing to support the WyoLink project. Important to include the MERS into WyoLink for interoperability during disaster events. MERS was used during the 2005 Wright tornado.

Kyle Sinclair – National Law Enforcement and Corrections Technology Center (NLECTC) – NW – NLECTC supports the interoperability between local, state and federal agencies by bringing together agencies and projects. NLECTC helped support this WyoLink/Federal Agency summit. Alaska Land Mobile Radio System (ALMRS) will have a 3 day summit in July and all of the attendees at the Wyoming summit should consider attending the Alaska summit.

The luncheon speaker was Jim Downes. The luncheon address was an overview of the Federal Partnership for Interoperable Communications (FPIC).

Eric Nelson – National Telecommunications & Information Administration (NTIA) – Institute for Telecommunications Sciences (ITS) – The ITS provides testing for radios and trunked radio systems to determine compatibility between the systems and radios. They mainly work with vendor equipment to help them with system operability. The main focus is for interoperability and conformance issues.

Round Table Discussion on the next steps:

Discussion between participants of the summit on what information the federal agencies need on the WyoLink system and what information the WyoLink project needs from federal agencies to improve or expand the radio system and provide interoperability with local, state and federal agencies.

Both the FPIC Spectrum Committee and the Department of the Interior need a detailed explanation of the spectrum needs. The frequency use needs to identify discrete or re-use of frequencies, real life honest frequency use with solid evidence. WyoLink is currently under contract with Motorola to provide spectrum engineering for the WyoLink project. The engineering work includes 64 sites with 7 channels per site. The reuse of frequencies is part of the engineering work being done. WyoLink will make sure that Motorola maintains dialog with the Department of the Interior and FPIC spectrum Committee. Correspondence with the FPIC Spectrum committee will be with Mary JO Gamble and Rob Zanger and Chris Lewis will be the contact for the Department of the Interior. The

accountability of the frequency use was discussed. Does WyoLink want ownership of federal spectrum or sharing agreements?

The architecture of the WyoLink system would be helpful information to the federal agencies. This includes the system design and predicted radio coverage, mobile and portable including the specifics on how the predicted coverage was developed. The enterprise information on the WyoLink system and the Public Safety Communications Commission will help in developing a business case for federal agency participation.

Information on the current and proposed radio sites including power needs, towers, buildings, coordinates, elevations and design criteria was requested by the federal agencies. WyoLink requested the radio site information on the federal agency radio sites in Wyoming and will submit that request in writing. A coordinated effort with the federal agencies, through the FPIC will be the best and proper channel for the sharing of information.

It was stated that the interference and inter-modulation thresholds may need to be adjusted to accommodate the spectrum use and re-use for the WyoLink system.

Encryption and key management needs to be designed and developed by all agencies and any input from local and state agencies would be useful. This is very difficult subject and will take everyone working together to solve the problems.

Conclusion

This was a very good summit that was well attended. The attendance exceeded all expectations and all attendees were appreciative of the effort. More discussion need to take place after more information is provided between all agencies represented. The FPIC invited everyone to participate in their meetings via phone conference calls.

There was discussion on holding another summit and inviting the neighboring states to participate. It was felt that what is going on in Wyoming would be helpful for the surrounding states and could reduce the duplication of effort. The Wyoming Public Safety Communications Commission and the Montana Public Safety Services will work the NLECTC to develop another summit involving federal agencies and multiple states.



Dave Freudenthal
Governor

Jim Narva
Chairman

State of Wyoming

Public Safety Communications Commission

Dispatch Center WyoLink Connectivity Grant Application

The Wyoming Public Safety Communications Commission is administering grants to local dispatch centers to help provide connectivity to WyoLink – Wyoming's public safety digital trunked VHF radio system. Every dispatch center in Wyoming is eligible for grant funds with an initial limit of \$150,000 per dispatch center. **Grant Applications are due by December 31, 2006.**

The grant funds may be used to upgrade current dispatch consoles, installation of central electronic banks, installation of WyoLink compatible connectivity cards, purchase and installation of WyoLink compatible base stations and minor dispatch center facility upgrades – electrical service and equipment cooling. Grant funds may be used as matching funds for additional grants, if approved by second grant rules.

Directions: The application is in Microsoft Word format and may be completed using Word.

Page 1 -

Complete all lines. If there is no secondary contact, leave blank. Jurisdiction means city, county, joint powers board, city-county combined, state, or other (describe). Include all agencies served – ie. Police Departments, County Sheriff, Fire Departments or Districts, Ambulance Services, city or town departments, county departments, federal agencies, Mutual Aid, etc.

Sign and date upon completion.

Page 2 -

Request Details -

In the description box summarize equipment to be purchased and total cost of equipment on one row and summarize the service or installation costs (if not included in equipment purchase) and total costs on the other row. Round costs to nearest dollar. Upon completion of costs, word will calculate total grant request by right clicking on "0" and selecting "upgrade field".

Description of current console equipment -

Provide a short narrative of current console equipment including make, model, number of dispatch stations, description of base stations, description of electronics equipment room, age of equipment and other pertinent information. Your agency radio equipment service agency should be able to help provide information on current system and needs to bring equipment up to compatibility and connectivity to WyoLink. Narrative should be less than two (2) pages.

Page 3 -

Project Description -

Identify how the grant funds will be used to provide compatibility and connectivity to WyoLink. As part of the description identify all cost estimates. Project description should be one (1) page in length.

Send completed grant application to:

Bob Symons
Wyoming PSCC
Emerson Building, Room 228C
2001 Capitol Ave.
Cheyenne, WY 82002

For further information or questions contact:

Bob Symons
307-777-5065
bsymon@state.wy.us

**Dispatch Center
WyoLink Connectivity
Grant Application**

Organization Name:

Contact Person:

Secondary Contact:

Physical Address:

Mailing Address:

City:

Zip Code:

Business Phone:

Fax:

E-Mail:

Jurisdiction:

Agencies Served:

Signed by:

Date:

Request Details:

Description	Total Cost
	\$
	\$
Total Grant Request	0

Narrative Statement:

Description of current console equipment:

Project Description:

Dispatch Center WyoLink Connectivity Grant
Appendix 1 – Point Of Contact

Organization Name:

Contact Person:

Secondary Contact:

Physical Address:

Mailing Address:

City:

Zip Code:

Business Phone:

Fax:

E-Mail:

Jurisdiction:

GRANT DRAFT REQUEST

Date Submitted: _____

Grant No. _____

TO: **Wyoming Public Safety Communications Commission**
2001 Capitol Avenue - Emerson Building - Rm 228C
Cheyenne, WY 82002 - 0060

Requested by: _____

Jurisdiction: _____

Grant Draft Request # _____

A. Current Request for Payment

(List and Attach Invoices Separately)

Invoice Total

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Total Request

\$ _____ -

B. Total Grant Approved

C. Less Previous Approved Requests

D. Balance of Grant Funds Available (B-A-C)

\$ _____ -

I hereby certify that the above requested funds for the amount shown in Line A is a true and accurate request for funds from the Wyoming Public Safety Communications Commission.

By: _____

Name and Title

NOTE: All Signatures Must Be Original - Photocopy or Facsimile Signatures Not Acceptable



Dave Freudenthal
Governor

Jim Narva
Chairman

State of Wyoming

Public Safety Communications Commission

Grant Agreement for Dispatch Center WyoLink Connectivity

Agency:

Award Amount:

Award Period:

- Parties:** The parties to this Grant Agreement are the State of Wyoming, by and through Wyoming Public Safety Communications Commission, whose principal address is Emerson Building, 2001 Capitol Avenue, Cheyenne, WY 82002 [Wyoming PSCC] and the «OrganizationName», a political subdivision, whose mailing address is «Address», «City», «State», «PostalCode» [Grantee]
- Contact Information:** Grantee's submission of required reports and forms designated herein will be made using the procedures and protocol of the PSCC Grant Program. All other reports, forms, and communications regarding this Grant shall be directed to the attention of Wyoming PSCC designated contact person. Grantee must keep Wyoming PSCC up-to-date as to the name of the person acting as Grantee's primary contact person for this Grant using the Point of Contact information forms, attached and incorporated herein as Attachment A, including any change of contact person, address, or telephone information. Grantee's primary contact person shall cooperate with any assessments, information or data collection requests, including, but not limited to, the provision of any information required for the assessment or evaluation of any activities within this grant. An e-mail address must be provided for the contact person and that e-mail account must be regularly checked for new messages.

Wyoming PSCC contact:

Bob Symons, Administrative Support
Wyoming Public Safety Communications Commission
Emerson Building, Room 228C
2001 Capitol Avenue
Cheyenne, WY 82002-0060
Phone: 307-777-5065
Fax: 307-777-6725
bsymon@state.wy.us

3. **Term of Grant Agreement and Required Approvals:** This Grant is effective when all parties have executed it and all required approvals have been secured. The term of this Grant is from July 1, 2006 through June 30, 2008.

4. **Purpose of Grant Award:** The purpose of the grant award is to upgrade current dispatch center to provide connectivity to WyoLink – Wyoming's public safety digital trunked VHF radio system ("Project").

5. **Payment:** Wyoming PSCC agrees to grant monies to Grantee for the services described herein as invoices are submitted for work done in connection with the Project, completed in accordance with the requirements of this Agreement. The total payment under this Grant shall not exceed «Award_Amount» («Award_Amount_English»). Payment will be made following Grantee's delivery to Wyoming PSCC invoices detailing services performed in connection with the Project in pursuant to the form shown on Attachment C hereto. No payment shall be made for any services performed in connection with the Project prior to the date upon which the last required signature is affixed to this Grant Agreement.

6. **Responsibilities of Grantee:** The Project to be undertaken is described in Attachment B which is attached and made a part of this Grant Agreement Grantee agrees to and acknowledges the following limitations and special conditions:

A. Grantee must be familiar with the requirements and restrictions of the Project including:

- (1) All radio equipment purchased by Grantee shall be capable upon delivery, of transmitting and receiving digital unencrypted voice in the Project 25 Common Air Interface (CAI) conventional mode and trunking mode.
- (2) Grantee may not use this Grant funding to purchase equipment not specifically authorized in the Project unless the proposed acquisition is reviewed by Wyoming PSCC and approved by in writing prior to purchase.
- (3) Grantee may use its own procurement procedures, provided its procurement process conforms to applicable federal and state laws.
- (4) Grantee may be monitored periodically by the staff of Wyoming PSCC or WyoLink, to ensure the program goals, objectives, timelines, budgets and other related Grant criteria are being met.
- (5) Grantee agrees to cooperate with any assessments, state evaluation efforts and requests for information or data including, but not limited to, information required for the assessment or evaluation of activities within this Grant.

B. By June 30, 2008, Grantee must encumber or spend all Grant funds, finish all performance activities and submit all payment requests.

C. This Grant cannot be changed or altered in any way without prior written authorization from Wyoming PSCC.

7. **Responsibilities of Wyoming PSCC:**

A. Wyoming PSCC will be available to provide necessary and feasible technical advice, which may be reasonably required by Grantee.

B. Wyoming PSCC will pay Grantee as stated in paragraph 5 above.

C. Wyoming PSCC shall notify Grantee of any state determination of noncompliance. Wyoming PSCC will provide Grantee written notice of intent to impose immediate measures and will make reasonable efforts to resolve the problem informally.

8. **Special Provisions:**

A. **Monitor Activities:** Wyoming PSCC shall have the right to monitor all Grant related activities of Grantee. This shall include, but not be limited to, the right to make site inspections at any time, to bring experts and consultants on site to examine or evaluate completed work or work in progress, and to observe all Grantee personnel in every phase of performance of the Project.

B. **No Finder's Fees:** No finder's fee, employment agency fee, or other such fee related to the procurement of this Grant, shall be paid by either party.

C. **Nondiscrimination:** Grantee shall comply with all state and federal civil rights laws, including the Civil Rights Act of 1964, the Wyoming Fair Employment Practices Act (Wyo. Stat. § 27-9-105 *et seq.*), the Americans With Disabilities Act, (42 U.S.C. 12101, *et seq.*), and the Age Discrimination Act of 1975. Grantee shall not discriminate against any individual on the grounds of age, sex, color, race, religion, national origin or disability in connection with the performance of this Grant.

D. **Non-Supplanting Certification:** Grantee hereby affirms that Grant funds will be used to supplement existing funds, and will not replace (supplant) funds that have been appropriated for the same purpose. Potential supplanting will be addressed in the application review as well as in the pre-award review, post-award monitoring, and the audit.

9. **General Provisions:**

A. **Amendments:** Any changes, modifications, revisions or amendments to this Grant which are mutually agreed upon by the parties to this Grant shall be incorporated by written instrument, executed and signed by all parties to this Grant Agreement.

B. **Applicable Law/Venue:** The laws of the State of Wyoming shall govern the construction, interpretation and enforcement of this Grant. The Courts of the State of Wyoming shall have jurisdiction over this Grant and the parties, and the venue shall be the First Judicial District, Laramie County, Wyoming.

C. **Assignment/Grant Not Used as Collateral:** Neither party shall assign or otherwise transfer any of the rights or delegate any of the duties set forth in this Grant Agreement without the prior written consent of the other party. Grantee may not use this Grant, or any portion thereof, for collateral for any financial obligation without the prior written permission of Wyoming PSCC.

D. **Assumption of Risk:** Grantee shall assume the risk of any loss of state funding, either administrative or program dollars, due to Grantee's failure to comply with state requirements.

E. Entirety of Grant: This Grant, consisting of seven (7) pages plus three attachments: (A) Point-of-Contact Information Form, (B) Project Description and (C) Grant Draft Request; incorporated herein by reference, represents the entire and integrated agreement between the parties and supersedes all prior negotiations, representations, and agreements, whether written or oral.

F. Ethics: Grantee shall keep informed of and comply with the Wyoming Ethics and Disclosure Act (Wyo. Stat. § 9-13-101, *et seq.*), and any and all ethical standards governing Grantee's profession.

G. Force Majeure: Neither party shall be liable for failure to perform under this Grant if such failure to perform arises out of causes beyond the control and without the fault or negligence of the nonperforming party. Such causes may include, but are not limited to, acts of God or the public enemy, fires, floods, epidemics, quarantine restrictions, freight embargoes, and unusually severe weather. This provision shall become effective only if the party failing to perform immediately notifies the other party of the extent and nature of the problem, limits delay in performance to that required by the event, and takes all reasonable steps to minimize delays. This provision shall not be effective unless the failure to perform is beyond the control and without the fault or negligence of the nonperforming party.

H. Indemnification: Grantee shall indemnify, defend and hold harmless the State, PSCC, and its officers, agents, employees, successors and assigns from any cause of action, losses, injuries, liabilities, damages, claims, demands or costs (including reasonable attorneys' fees) (collectively "Claims") arising out of all activities in connection with the Project, Grantee's performance under this Grant Agreement, or failure by Grantee to comply with the terms of this Agreement. Grantee shall be solely liable and responsible for all acts or omissions in connection with the Project or the performance of the Project or this Agreement, including without limitation all Claims arising in connection therewith, and PSCC (its officers, agents, employees, successors and assigns) shall have no liability to grantee, any subgrantee or any third party for, and shall be released from, all such Claims..

I. Independent Contractor: Grantee shall function as an independent contractor for the purposes of this Grant, and Grantee or its agents and/or employees shall not be considered employees of the State of Wyoming for any purpose. Grantee shall assume sole responsibility for any debts or liabilities that may be incurred by Grantee in fulfilling the terms of this Grant, and shall be solely responsible for the payment of all federal, state and local taxes which may accrue because of this Grant. Nothing in this Grant shall be interpreted as authorizing Grantee or its agents and/or employees to act as an agent or representative for or on behalf of the State of Wyoming or Wyoming PSCC, or to incur any obligation of any kind on the behalf of the State of Wyoming or Wyoming PSCC. Grantee agrees that no health/hospitalization benefits, workers' compensation and/or similar benefits available to State of Wyoming employees will inure to the benefit of Grantee or its agents and/or employees as a result of this Grant.

J. Kickbacks: Grantee certifies and warrants that no gratuities, kickbacks or contingency fees were paid in connection with this Grant, nor were any fees, commissions, gifts, or other considerations made contingent upon the award of this Grant. If Grantee breaches or violates this warranty, Wyoming PSCC may, at its discretion, terminate this Grant without liability to

Wyoming PSCC, or deduct from this Grant price or consideration, or otherwise recover, the full amount of any commission, percentage, brokerage, or contingency fee.

K. Modifying Grant: Nothing in this Grant document, or any other guidance from Wyoming PSCC, shall be interpreted to modify, change, or supersede pertinent State statutes and regulations, or federal grant guidance, rules, regulations, and statutes.

L. Notices: All notices arising out of, or from, the provisions of this Grant shall be in writing and given to the parties using the contact information provided in paragraph 2, or as subsequently updated, either by regular mail, facsimile, e-mail, or delivery in person.

M. Patent or Copyright Protection: Grantee recognizes that certain proprietary matters or techniques may be subject to patent, trademark, copyright, license or other similar restrictions, and warrants that no work performed by Grantee will violate any such restriction.

N. Prior Approval: This Grant shall not be binding upon either party, no services shall be performed under the terms of this Grant, and the Wyoming State Auditor shall not draw warrants for payment on this Grant, until this Grant has been reduced to writing, approved as to form by the Office of the Attorney General.

O. Severability: Should any portion of this Grant be judicially determined to be illegal or unenforceable, the remainder of the Grant shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.

P. Sovereign Immunity: The State of Wyoming, the Public Safety Communications Commission and Grantee do not waive sovereign immunity by entering into this Grant and specifically retain immunity and all defenses available to them as sovereigns pursuant to Wyo. Stat. § 1-39-104(a) and all other state law. Grantee retains all immunities and defenses provided by law including Wyo. Stat. § 1-39-101 *et seq.*

Q. Taxes: Grantee shall pay all taxes and other such amounts required by federal, state and local law, including but not limited to federal and social security taxes, workers' compensation, unemployment insurance and sales taxes.

R. Termination of Grant award: This Grant Agreement may be terminated, without cause, by either party upon thirty (30) days written notice. The PSCC may terminate this Grant Agreement immediately for cause if the Grantee fails to perform in accordance with the terms and conditions of this Grant Agreement. Should the Grantee fail to perform in a manner consistent with the terms and conditions set forth in this Grant Agreement, payment under this Grant Agreement may be withheld until such time as the Grantee performs its duties and responsibilities.

S. Third Party Beneficiary Rights: The parties do not intend to create in any other individual or entity the status of third party beneficiary, and this Grant Agreement shall not be construed so as to create such status. The rights, duties and obligations contained in this Grant Agreement shall operate only between the parties to this Grant Agreement, and shall inure solely to the benefit of the parties to this Grant Agreement. The provisions of this Grant Agreement are

intended only to assist the parties in determining and performing their obligations under this Grant Agreement.

T. Time is of the Essence: Time is of the essence in all provisions of this Grant.

U. Titles Not Controlling: Titles of paragraphs are for reference only, and shall not be used to construe the language in this Grant.

V. Waiver: The waiver of any breach of any term or condition in this Grant shall not be deemed a waiver of any prior or subsequent breach.

The remainder of this page has been intentionally left blank.

10. **Signatures.** By signing this Grant Agreement, the parties represent and warrant that they have read and understood it, that they agree to be bound by the terms of the Grant Agreement, that they have the authority to sign it, and that they have received a signed and dated copy of the Grant Agreement.

The effective date of this Grant is the date of the signature last affixed to this page.

WYOMING PUBLIC SAFETY COMMUNICATIONS COMMISSION:

_____	_____
Name	Date

GRANTEE:

_____	_____
(Signature)	Date

Organization Name (Printed)

ATTORNEY GENERAL'S OFFICE APPROVAL AS TO FORM:

_____	_____
Name	Date

Attachments:

- A. POC Information Form
- B. Project Description
- C. Grant Draft Request

WYOMING DEPARTMENT OF TRANSPORTATION

AUTHORITY FOR EXPENDITURE

DATE APRIL 18, 2006 REFERENCE NO. BIOTERR2-PRG-GR(FND)
REV. OF AFE DATED _____ ROUTE V N/A
REV. FOR _____ ROAD SEC. TELECOMMUNICATIONS (WYOLINK)
FUNCTION CLASS V N/A BIOTERRORISM GRANT FUNDS PROJECT
TYPE/IMP. 41 DISTRICT STATEWIDE COUNTY STATEWIDE
MP. N/A

PROJECT NUMBER	PHASE OF WORK	JOB NO.	PART.	JOB TYPE	ESTIMATED COST
BIOTERR2-PRG-GR(FND)	OTHER	BIO2	N	60	40,000.00
				TOTAL	40,000.00

LOCATION:
STATEWIDE

CHARACTER OF WORK:

OTHER - TELECOMMUNICATIONS STATEWIDE COMMUNICATIONS IMPLEMENTATION PROJECT. WYO-LINK ACQUISITIONS AND IMPLEMENTATION.

DISTRIBUTION

E-MAIL
PROGRAMMING
TELECOMMUNICATIONS

HARD COPY
BUDGET

APPROVED COPY ON FILE IN FED AID
ORIGINAL SIGNED JOHN F. COX

DIRECTOR

AUTHORIZED WORK

PHASE OF WORK	JOB NO.	FUNCTIONS	AMOUNT	AUTH. DATE	CLOSE DATE
OTHER	BIO2	773	40,000.00	4-18-06	

FUNDING

CLASS OF FUNDS	CODE	JOB	%	PRO-RATA	CHANGE	PREVIOUS	TOTAL
AID FUNDS APPN							
BIOTERRORISM PROGRAM GRANT		BIO2		100	\$40,000.00	\$0.00	\$40,000.00
		TOTAL AID FUNDS			40,000.00	0.00	40,000.00
STATE FUNDS							
							0.00
		TOTAL STATE FUNDS			0.00	0.00	0.00
		TOTAL FUNDS			40,000.00	0.00	40,000.00

ADDITIONAL INFORMATION _____ AGREEMENT SIGNED 12/09/2005.

NATIONAL GOVERNOR'S ASSOCIATION (NGA)

POLICY COMMITTEE ON PUBLIC SAFETY WIRELESS INTEROPERABILITY

GRANT APPLICATION

Background

According to Secretary Michael Chertoff, at the Department of Homeland Security Tactical Interoperable Communications Conference on May 8, 2006, interoperable communications is comprised of three (3) elements – Technology, Governance and Training.

The State of Wyoming, working through a steering committee and project team consisting of state agencies, county and municipal organizations, federal agencies and Federal Engineering consultants finalized a set of recommendations to develop a statewide public safety mobile communications system. These recommendations, defined the technical and functional architecture as well as budgetary requirements for a system that will provide improved coverage, improved interoperability across all state and local public safety agencies and improved functionality especially in the critical areas of mobile data and encryption. The recommendations also included the need for the establishment of a Public Safety Communications Commission for governance purposes and oversight to implement, maintain, and operate Wyolink. This commission should include representation from state, local and federal interests to coordinate agencies and organizations in the development of Wyolink.

The recommended system, known as Wyolink, will consist of a Project 25 standards-based digital, trunked VHF infrastructure utilizing 57 sites with interconnectivity via the Wyoming Department of Transportation microwave backbone and planned extensions. The system will provide an estimated 94% statewide coverage for mobile radios. The State of Wyoming has appropriated the funding necessary to complete the Wyolink project by July 2008.

Wyoming has or is addressing the technology and governance elements of an interoperable communications system. Training is the biggest issue and barrier facing Wyoming's interoperable communications.

Breadth depth and Influence of State Team

One of the key issues identified at the Wyoming Communication Interoperability Educational Forum was the establishment of the Public Safety Communications Commission (PSCC). The Wyoming Legislature, at the 2004 Session, passed Senate File 16 – Public Safety Communications. This act created Wyoming Statute § 9-2-1101 through 9-2-1104 – Public Safety Communications Commission. Section 9-2-1102 (a) states; "The Commission shall consist of seventeen (17) voting members to be appointed by the governor and who may be removed by the governor as provided in W.S. 9-1-202. The seventeen (17) members shall be appointed from each of the following associations and agencies from their membership:"

Wyoming Police Chiefs Association; Wyoming Sheriff's Association; Division of Criminal Investigation, Office of the Attorney General; Wyoming Game and Fish Department; Wyoming Department of Transportation; Wyoming Livestock Board; Department of State Parks and Cultural Resources; Wyoming Fire Chiefs Association; Wyoming State Fire Marshal; Wyoming Office of Homeland Security; the Public at Large; Wyoming Ambulance and Emergency Medical Services Association; Municipal Government or a Municipal Government Association; County Government or a County Government Association; Wyoming Department of Health; Tribal Government or a Tribal Government Association and Federal Government or Federal Government Association

The mission of the Wyoming PSCC is to develop recommendations for policy and guidelines, identify technology and standards and coordinate intergovernmental resources to facilitate statewide wireless communications interoperability with emphasis on public safety. The PSCC is resolved to focus on the following priorities:

- Recommend strategies for improving Wyoming's wireless interoperability
- Determine standards for the Wyolink network
- Identify immediate short-term technological and policy solutions to tie the existing infrastructure together into an interoperable system.
- Develop long-term technical and policy recommendations to establish the development and implementation of Wyolink network
- Develop recommendations for legislation or other state action that may be required to further promote wireless interoperability in Wyoming

The PSCC has developed five (5) working groups of members and subject matter experts. The PSCC's structure, both in its appointments and the makeup of its working groups, is designed to foster collaboration among stakeholders at the local, state and federal level.

The Administration and Funding Work Group consists of the PSCC Officers and representatives of the Wyoming Association of Municipalities, Wyoming County Commissioners Association and Wyoming Department of Transportation budget office. This work group is charged with the PSCC budget development, grants, rates and fees and staff recruitment and evaluation.

The Wyolink Operations Work Group's mission is to provide policy level oversight to the development, implementation and ongoing operation of the Wyolink state-wide public safety communication system. This work group is currently working on the training and talkgroup development for Wyolink.

The Spectrum Working Group's responsibilities include frequency policy and planning, frequency coordination and interference mitigation and FCC licensing and compliance. This work group has been designated the Regional Planning Committee (RPC) and has developed the 700 MHz and 800 MHz plans for Region 46 - Wyoming.

The Inter-Operability Executive Committee mission is to provide a professional communications system with compatibility and availability of common communication paths for all public safety radio users. This committee is currently working on the Wyolink Policy and Procedures Handbook for all subscribers. The handbook will include the membership agreement for subscribers.

State Agency Law Enforcement Communication System (SALECS) Working Group is to maintain the integrity and operability of SALECS through the implementation of Wyolink. SALECS is the current legacy radio system used by state agencies and law enforcement agencies.

The state team will include members of the Public Safety Communications Commission and the Governor's designated senior policy advisor, Joe Moore, Director of the Wyoming Office of Homeland Security.

Coordination with Ongoing Initiatives

The Wyolink system is using technology and procedures considered new and different from the current use. Having a statewide system will require new policies and procedures for the operation and use and the users will need to have training to ensure proper and efficient use. Our challenge is on how to provide the end user training and to make sure that all users are trained in the operation of the Wyolink system, the policy

and procedures handbook, and interoperable communications plan. Wyoming will use the grant funds to develop and initiate the training program for all potential Wyolink users at the local, state and federal levels.

Wyoming is working with the Federal Partnership for Interoperable Communications (FPIC) and Department of the Interior to address potential Wyolink use by the federal agencies operating within Wyoming. The federal agencies operating on the Wyolink system will require training and this initiative will also used to incorporate the federal agency training into the State training.

Wyoming's strengths are the commitment of the State of Wyoming to complete the Wyolink public safety radio system and the continued development and oversight of the Public Safety Communications Commission. This provides the technology and governance needed to complete a state-wide interoperable radio system and provide for the on-going operations of that system.

Staff Commitment

The State of Wyoming has adequate staffing in the Office of Homeland Security and the Department of Administration and Information and will commit adequate time to this project.

Budget Detail

SALARIES & BENEFITS	
CONSULTANTS/TRAINERS	\$ 35,000.00
PRINTING	\$ 1,000.00
COMMUNICATION	
TRAVEL/TRAINING EXPENSES	\$ 14,000.00
TOTAL PROJECT EXPENSES	\$ 50,000.00

DRAFT - 4

Wyoming Public Safety Communications Commission Rules and Regulations

Chapter 1

GENERAL PROVISIONS

Section 1. - **Authority**

(a) These rules are written in accordance with the authority provided in Wyoming Statute §9-2-1104(a)(v) and pursuant to the requirements of the Wyoming Administrative Procedure Act, Wyoming Statute §16-3-101 et seq.

Section 2 - **Purpose**

(a) The purpose of the Wyoming Public Safety Communications Commission is:

(I) Promote the development, improvement and efficiency of public safety communications systems in the state.

(II) Promulgate necessary rules and establish policies and procedures to govern the operation, participation, and user fees of the WyoLink system.

(III) Determine the participation requirements of public safety agencies and private entities in the wireless communications network.

Section 3. - **Definitions**

(a) These rules shall be known as the "Wyoming Public Safety Radio Communications Rules."

(b) "Commission" means the Wyoming Public Safety Communications Commission.

(c) "WyoLink" means Wyoming's Public Safety Radio Communications System.

Chapter 2

ADMINISTRATIVE PROCEDURES

Section 1 – Policies and Procedures

(a) The Commission shall establish policies and procedures to provide administrative guidance and control over the management and operation of WyoLink and other statewide radio communications system(s) used by participating agencies.

Section 2 – Participation Determination

(a) Agencies shall be allowed to participate on WyoLink upon completion of an application form supplied by the Commission and agreeing to follow and comply with all policies and procedures of the Commission.

Section 3 – Rules and Regulations of the Federal Communications Commission

(a) Citation to applicable federal law or regulation:

47 CFR 90 establishes the rules and regulations for the Federal Communications Commission, Part 90 Private Land Mobile Radio Services. The provisions of these rules and regulations govern WyoLink.

(b) The Federal Communications Commission Rules and Regulations may be viewed and downloaded from the Government Printing Office (GPO) website: http://www.access.gpo.gov/nara/cfr/waisidx_05/47cfr90_05.html

Section 4 – Fees

(a) The commission shall review the operational and maintenance requirements and expenditures to determine participation fees for the fiscal year starting on July 1 and ending on June 30 of the following year at the first meeting of the commission after March 1 of each year.

DRAFT - 4

Chapter 3

APPEAL PROCEDURES

Section 1 – Purpose

(a) These rules are established to provide a fair and efficient method for the commission to hear appeals of a determination of suspension or revocation of a participating agency's operating privileges for the non-compliance of the policies and procedures governing WyoLink system operation and participation.

Section 2 – Commencement of Action

(a) After continued or repeated non-compliance of the policies and procedures governing WyoLink system operation and participation by a participating agency the Commission Executive Director shall issue a final determination canceling the agency's participation from the WyoLink system. The agency's participation in the WyoLink system shall become effective on the 31st day after the final determination is issued.

(b) Any affected agency may request an appeal hearing on the Director's final determination canceling the agency's participation from the WyoLink system. Such requests for an appeal hearing shall be filed in writing with the Director within 30 days of issuance of the final determination. If a request for an appeal hearing of the Director's final determination is filed within 30 of issuance, the effect of the final determination shall be stayed while the matter is before the Commission.

(c) An appeal request must contain the following information and:

(i) Name and address of applicant;

(ii) Telephone contact number for applicant;

(iii) Name of attorney or person who will be representing applicant on the appeal before the Commission;

(iv) A brief description of the issues to be heard at the appeal hearing;

(v) Any relevant materials the applicant wishes to submit which will be presented at the appeal hearing.

(d) Five (5) copies, including supporting materials, of the appeal request must be submitted to the Director.

DRAFT - 4

(e) Within ten (10) days of receiving request for an appeal hearing, the Director shall provide written notice of the request to all involved parties and set a date for an appeal hearing by the Commission within forty five (45) days.

(f) An appeal hearing request, along with the materials submitted with it, shall be presented to the Commission. The party requesting the appeal hearing may appear in person at the meeting and give oral testimony in support of their position regarding the appeal.

(g) The executive director shall present exhibits, testimony and/or evidence to the commission which explains the executive director's position on the issue or demonstrates the basis for the determination that has been appealed to the commission.

Section 3 – Decision

(a) The Commission, after a hearing on the matter, shall make a decision regarding the dispute within sixty (60) days and transmit an order to all parties involved.

(b) The action called for shall be implemented in accordance with the order.

(c) Copies of the order will be mailed to affected parties, the Commission Executive Director and the WyoLink System Administrator.